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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/773,792

DATE: 07/21/2004  
 TIME: 09:28:59

Input Set : A:\28217-20029.00.TXT  
 Output Set: N:\CRF4\07212004\J773792.raw

4 <110> APPLICANT: DUBENSKY, Jr. Thomas W.  
 5 BROCKSTEDT, Dirk G.  
 6 COOK, David  
 8 <120> TITLE OF INVENTION: LISTERIA ATTENUATED FOR ENTRY INTO  
 9 NON-PHAGOCYTIC CELLS, VACCINES COMPRISING THE LISTERIA, AND  
 10 METHODS OF USE THEREOF  
 13 <130> FILE REFERENCE: 282172002900  
 15 <140> CURRENT APPLICATION NUMBER: US 10/773,792  
 16 <141> CURRENT FILING DATE: 2004-02-06  
 18 <150> PRIOR APPLICATION NUMBER: US 60/541,515  
 19 <151> PRIOR FILING DATE: 2004-02-02  
 21 <150> PRIOR APPLICATION NUMBER: US 60/511,869  
 22 <151> PRIOR FILING DATE: 2003-10-15  
 24 <150> PRIOR APPLICATION NUMBER: US 60/511,919  
 25 <151> PRIOR FILING DATE: 2003-10-15  
 27 <150> PRIOR APPLICATION NUMBER: US 60/511,719  
 28 <151> PRIOR FILING DATE: 2003-10-15  
 30 <150> PRIOR APPLICATION NUMBER: US 60/490,089  
 31 <151> PRIOR FILING DATE: 2003-07-24  
 33 <150> PRIOR APPLICATION NUMBER: US 60/449,153  
 34 <151> PRIOR FILING DATE: 2003-02-21  
 36 <160> NUMBER OF SEQ ID NOS: 23  
 38 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 40 <210> SEQ ID NO: 1  
 41 <211> LENGTH: 9  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Homo Sapiens  
 45 <400> SEQUENCE: 1  
 46 Val Leu Gln Glu Leu Asn Val Thr Val  
 47 1 5  
 50 <210> SEQ ID NO: 2  
 51 <211> LENGTH: 25  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Artificial Sequence  
 55 <220> FEATURE:  
 56 <223> OTHER INFORMATION: PCR Primer  
 58 <400> SEQUENCE: 2  
 59 gtttaagtttc atgtggacgg caaag  
 61 <210> SEQ ID NO: 3  
 62 <211> LENGTH: 42  
 63 <212> TYPE: DNA  
 64 <213> ORGANISM: Artificial Sequence  
 66 <220> FEATURE:

**ENTERED**

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67 <223> OTHER INFORMATION: PCR Primer
69 <400> SEQUENCE: 3
70 aggtcttttt cagttaacta tcctctcctt gattctagtt at 42
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 43
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: PCR Primer
80 <400> SEQUENCE: 4
81 caaggagagg atagttaact gaaaaagacc taaaaaagaa ggc 43
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 26
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: PCR Primer
91 <400> SEQUENCE: 5
92 tccctgttc ctataattgt tagctc 26
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 25
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: PCR Primer
102 <400> SEQUENCE: 6
103 gtggacggca aagaacaac caaag 25
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 29
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: PCR Primer
113 <400> SEQUENCE: 7
114 gttcctataa ttgtagctc atttttttc 29
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 9
118 <212> TYPE: PRT
119 <213> ORGANISM: Mus Musculus
121 <400> SEQUENCE: 8
122 Ser Pro Ser Tyr Val Tyr His Gln Phe
123 1 5
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 9
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Altered Peptide
134 <400> SEQUENCE: 9

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135 Ser Pro Ser Tyr Ala Tyr His Gln Phe
136 1 5
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 29
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: PCR Primer
147 <400> SEQUENCE: 10
148 ctctggtacc tcctttgatt agtatattc 29
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 36
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: PCR Primer
158 <400> SEQUENCE: 11
159 caatggatcc ctcgagatca taatttactt catccc 36
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 32
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR Primer
169 <400> SEQUENCE: 12
170 atttctcgag tccatggggg gttctcatca tc 32
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 25
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: PCR Primer
180 <400> SEQUENCE: 13
181 ggtgctcgag tgcggccgca agctt 25
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 37
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic Construct
191 <400> SEQUENCE: 14
192 cgattcccct agttatgttt accaccaatt tgctgca 37
194 <210> SEQ ID NO: 15
195 <211> LENGTH: 31
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Synthetic Construct
202 <400> SEQUENCE: 15

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203 gcaaattggt ggtaaacata actaggggaa t 31
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 27
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Synthetic Construct
213 <400> SEQUENCE: 16
214 agtccaagtt atgcatatca tcaattt 27
216 <210> SEQ ID NO: 17
217 <211> LENGTH: 33
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Synthetic Construct
224 <400> SEQUENCE: 17
225 cgatagtcca agttatgcat atcatcaatt tgc 33
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 34
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Synthetic Construct
235 <400> SEQUENCE: 18
236 gtcgcaaatt gatgatatgc ataacttgga ctat 34
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 9
240 <212> TYPE: PRT
241 <213> ORGANISM: Escherichia coli
243 <400> SEQUENCE: 19
244 Thr Pro His Pro Ala Arg Ile Gly Leu
245 1 5
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 9
250 <212> TYPE: PRT
251 <213> ORGANISM: Listeria monocytogenes
253 <400> SEQUENCE: 20
254 Lys Tyr Gly Val Ser Val Gln Asp Ile
255 1 5
258 <210> SEQ ID NO: 21
259 <211> LENGTH: 8
260 <212> TYPE: PRT
261 <213> ORGANISM: Gallus gallus
263 <400> SEQUENCE: 21
264 Ser Ile Ile Asn Phe Glu Lys Leu
265 1 5
268 <210> SEQ ID NO: 22
269 <211> LENGTH: 12
270 <212> TYPE: PRT

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271 <213> ORGANISM: Listeria monocytogenes  
273 <400> SEQUENCE: 22  
274 Asn Glu Lys Tyr Ala Gln Ala Tyr Pro Asn Val Ser  
275 1 5 10  
278 <210> SEQ ID NO: 23  
279 <211> LENGTH: 9  
280 <212> TYPE: PRT  
281 <213> ORGANISM: Listeria monocytogenes  
283 <400> SEQUENCE: 23  
284 Val Ala Tyr Gly Arg Gln Val Tyr Leu  
285 1 5

**VERIFICATION SUMMARY**

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